

PATENT ABSTRACTS OF JAPAN

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(54) LIQUID FUEL FOR GENERATING GREEN FLAME

(57)Abstract:

PURPOSE: To provide the title fuel which gives sufficient brightness of formed color even when the concentration of a color former comprising a boric acid ester is reduced and which generates little smoke during burning by dissolving a boric acid ester and an oxamic acid ester in a liquid fuel composed mainly of a 1-4C alcohol.

CONSTITUTION: A boric acid ester (e.g. triethyl borate) and an oxamic acid ester (e.g. ethyl oxamate) are dissolved in a liquid fuel composed mainly of a 1-4C alcohol (e.g. n-propyl alcohol) to produce the title fuel. Because of the incorporation of the oxamic acid ester, sufficient brightness of formed color can be obtained even when the concentration of the boric acid ester, serving as the color former, is reduced. A suitable amount of the oxamic acid ester to be added is about 0.05-2wt %. The obtained fuel is suitably used as, e.g. fuel for a lighter.